

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-024881

(43)Date of publication of application : 28.01.1992

(51)Int.Cl.

G06F 15/62

(21)Application number : 02-128133

(71)Applicant : FUJITSU LTD

(22)Date of filing : 19.05.1990

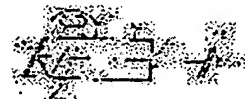
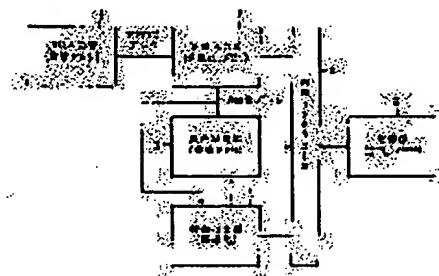
(72)Inventor : NIIZAKI TAKU  
IGAKI SEIGO

## (54) FINGERPRINT PICTURE REGISTERING SYSTEM

## (57)Abstract:

**PURPOSE:** To improve fingerprint collation rate by excluding the small part of low quality such as a bridge generated due to sweat in a fingerprint ridgeline part in a fingerprint picture from the selected object of dictionary data when a fingerprint dictionary is generated.

**CONSTITUTION:** A fingerprint input part 1 receives the ridgeline part of a fingerprint by a CCD element 45 through a glass plate 43 and a lens 44, and outputs analog data. A picture input part 2 is provided with a binarization circuit and a binary memory, and binarizes and stores the analog data of the fingerprint in the memory. Then, a collation circuit part 3 is provided with a collation circuit and a dictionary memory, and stores the fingerprint registered before in the dictionary memory, and the collation circuit compares and collates inputted binary data and the contents of the dictionary memory with each other. At that time, the fingerprint picture detected by a fingerprint sensor is divided into plural small areas, and when the small area containing a feature point and brighter than a prescribed threshold is detected in the fingerprint picture, the picture data of the bright small area is excluded from the generation of the fingerprint dictionary. Thus, the collation rate can be improved.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office